# BRUHAT BENGALURU MAHANAGARA PALIKE

## FIRST AND FINAL BILL

MEASUREMENT SHEET

Name of work: Improvements to Roads and Drains at Ramachandrapura Kempanna Layout Roads and Surrounding areas in Ward No. 15 (Kuvempunagara).

Estimated Cost : Rs. 20.00 Lakhs

Head of Account : P3726 Zonal Public Works - POW Works

Job Code: 015-23-000003

Name of Agency: Sri. Suresh. U, No. 12, 4th Cross, Sunrise Colony, Cholanayakanahalli, RT nagar, Bengaluru - 560032.

Work order No: BBMP/EE/BTP/WO/130/2022-23 D: 02-03-2023.

| | Measurements Recarded on : | 12-05-2023 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sl No | Description of work | Mesurement | | | | Qty. | Unit | Rate | Amount |
| | | No. | L | B | D | | | | |
| 1 | Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. | | | | | | | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 01 to 02 is = | | | | | **218.00** | Cum | 164.70 | **35905.00** |
| 2 | Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. | | | | | | | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 03 is = | | | | | **32.40** | Cum | 4918.07 | **159345.00** |
| 3 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) | | | | | | | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 04 to 05 is = | | | | | **71.61** | Cum | 5548.90 | **397357.00** |
| 4 | Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. | | | | | | | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 06 is = | | | | | **4.54** | Tonne | 81616.54 | **370539.00** |

| Sl No | Description of work | Mesurement No. | L | B | D | Qty. | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 5 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately **Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate** | | | | | | | | |
| | Qty as per Premeasurement Recorded vide E-Bill Page No. 07 is = | | | | | **6.00** | Cum | 5072.14 | **30433.00** |
| | | | | | | | | | |
| 6 | Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with **100 mm** thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete. | | | | | | | | |
| | **Covering Slab** | | | | | | | | |
| | Ramachandrapura tank Road | | | | | | | | |
| | From Dead end to Mariyamma Block Road | 1 | 6.00 | 0.90 | | 5.40 | | | |
| | | 1 | 0.60 | 0.90 | | 0.54 | | | |
| | | 1 | 11.40 | 0.90 | | 10.26 | | | |
| | | 1 | 1.80 | 0.90 | | 1.62 | | | |
| | | 1 | 1.20 | 0.90 | | 1.08 | | | |
| | From Mariyamma Block Road to Culvert | | | | | | | | |
| | CQF-1 | 1 | 21.00 | 0.90 | | 18.90 | | | |
| | | 1 | 21.00 | 0.90 | | 18.90 | | | |
| | | 1 | 17.40 | 0.90 | | 15.66 | | | |
| | | 1 | 4.20 | 0.90 | | 3.78 | | | |
| | Muneshwaraswamy Temple | | | | | | | | |
| | | 1 | 15.00 | 0.75 | | 11.25 | | | |
| | | 1 | 6.30 | 0.75 | | 4.73 | | | |
| | Kalathur Layout Cross | | | | | | | | |
| | | 1 | 15.00 | 0.75 | | 11.25 | | | |
| | | 1 | 2.00 | 0.75 | | 1.50 | | | |
| | Mariyamma Block Main Road | | | | | | | | |
| | E/S | 1 | 15.00 | 0.90 | | 13.50 | | | |
| | | 1 | 15.00 | 0.90 | | 13.50 | | | |
| | | 1 | 10.50 | 0.90 | | 9.45 | | | |
| | | **Total Qty =** | | | | **141.32** | | | |
| | | **Qty Ltd to Tender Qty =** | | | | **141.00** | Sqm | 1667.96 | **235182.00** |

Assistant Engineer
Ward No. 15, Kuvempunagara

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

| Sl No | Description of work | Mesurement No. | L | B | D | Qty. | Unit | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Measurements Recarded on : | 12-05-2023 | | | | | | | |
| 7 | Providing and Fixing pre cast Covering Slab made out of CC 1:2:4 with **250 mm** thick and Finishing cutting, including form work,curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, copmplete. | | | | | | | | |
| | **Culvert Slab** | | | | | | | | |
| | Mariyamma Block Enterance | 1 | 5.80 | 1.20 | | 6.96 | | | |
| | Kalathur Layout Cross | 1 | 7.20 | 1.20 | | 8.64 | | | |
| | Muneshwaraswamy Temple | 1 | 3.80 | 1.80 | | 6.84 | | | |
| | 1st Cross Devappa Layout | 1 | 1.80 | 1.20 | | 2.16 | | | |
| | | **Total Qty =** | | | | **24.60** | | | |
| | | **Qty Ltd to Tender Qty =** | | | | **24.00** | Sqm | 4054.80 | **97315.00** |
| 8 | Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3) | | | | | | | | |
| | Qty Vide 90% of Item No- (1) | | | | | 202.74 | | | |
| | Total | | | | | **202.74** | Cum | 65.53 | **13286.00** |
| 9 | Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km | | | | | | | | |
| | Qty frm Item No-08 | | 202.74 | 1.28 | | 259.50 | | | |
| | Total | | | | | **259.50** | T.Km | 74.81 | **19413.00** |
| | | | | | | | | Grand Total | **1358775.00** |
| | | | | | | | | GST Charges (18% of Executed cost) | **244580.00** |
| | | | | | | | | Total Amount | **1603355.00** |

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